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CLAIMS

1. A urine sample collection device comprising:-
 a urine receptor having a surface which flares out from
 5 an outlet aperture to a rim defining a perimeter of an inlet
 area into which a user urinates;
 a generally elongate tubular member extending from said
 receptor outlet aperture to an open end, the tubular member
 having an opening formed in the side thereof;
- 10 a coupling means for releasably mounting a urine
 collection container, the coupling means having a passage
 extending therethrough which meets said opening whereby urine
 can flow from the tubular member into a mounted container; and
 a flow director located at or adjacent said opening and
 15 formed to direct urine past the opening.
2. A device according to claim 1 wherein the flow
 director comprises a projection towards the axis of the
 tubular member.
3. A device according to claim 2 wherein the projection
 20 is provided upstream of the opening.
4. A device according to claim 3 wherein the projection
 is also formed downstream of the opening.
5. A device according to claim 3 or 4 wherein the
 projection upstream of the opening has an inclined surface.
- 25 6. A device according to claim 3 or 4 wherein the
 projection upstream of the opening comprises a wall which
 extends across the tubular member to an extent corresponding
 to the upstream edge of said opening.
7. A device according to any preceding claim wherein
 30 the flow director is formed to channel the urine flow along
 either side of the aperture.
8. A device according to claim 2 wherein the projection
 towards the axis of the tubular member comprises the passage

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of the coupling means, the passage extending into the tubular member and presenting an area within the tubular member into which urine can enter and flow into the collection container.

9. A device according to claim 8 wherein the passage 5 of the coupling means extends into the tubular member by an amount corresponding to between 20 and 60% of the height of the tubular member.

10. A device according to claim 8 or 9 wherein the area comprises a semi-circle and wherein the extension of the 10 passage into the tubular member is greater downstream than upstream.

11. A device according to any one of claims 8 to 10 wherein the coupling means includes a further passage extending therethrough which meets said opening to present an 15 area from which air in the collection container can escape into the tubular member.

12. A device according to claim 11 wherein the further passage of the coupling means extends into the tubular member by an amount which is greater than the first mentioned 20 passage.

13. A device according to either claim 11 or 12 wherein an opening of the further passage in the tubular member faces downstream.

14. A device according to any of claims 11 to 13 the 25 opening in the further passage is at an incline facing downstream.

15. A device according to any of claims 11 to 14 wherein a covering means is provided adjacent the opening.

16. A device according to any preceding claim wherein 30 the tubular member tapers to a smaller cross-section at said open end.

17. A device according to any preceding claim further comprising a flow limiter, or urine collection container

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having a flow limiter, for limiting flow of urine into the container.

18. A device according to claim 17 wherein the flow limiter allows urine to enter a container to a predetermined limit, after which further urine is prevented from entering the container.

19. A device according to either claim 17 or 18 wherein the flow limiter comprises a valve between the opening and a container in use, which valve closes when the urine in the container reaches a predetermined level.

20. A device according any of claims 17 to 19 wherein the flow limiter comprises a valve through which urine can flow from the tubular member into a container, the valve comprising a lower opening through which urine can pass into the container, an upper opening through which urine can enter the valve from the tubular member, and a closure member positioned between the upper and lower openings, and dimensioned so as to be capable of closing the upper opening.

21. A device according to claim 20 wherein the closure member has a density lower than that of urine.

22. A device according to claim 20 or 21 wherein the closure member comprises a ball.